

## WEST Search History

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DATE: Tuesday, December 06, 2005

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=USPT,PGPB; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L19	('6032101')![pn]	1
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L18	L16 and (resistivity or dielectric\$4 or resist\$4)	7
<input type="checkbox"/>	L17	L16 and ((resistivity or dielectric\$4 or resist\$4) with (NMR or MRI or (magnetic adj resonan\$2)))	3
<input type="checkbox"/>	L16	6609568	12
<input type="checkbox"/>	L15	L13 and (((resistivity or dielectric\$4 or resist\$4) with (NMR or MRI or (magnetic adj resonan\$2))) with (combin\$4 or combination or add\$4))	12
<input type="checkbox"/>	L14	L13 and ((resistivity or dielectric\$4 or resist\$4) with (NMR or MRI or (magnetic adj resonan\$2)))	84
<input type="checkbox"/>	L13	L12 and (combin\$4 or combination or add\$4)	8499
<input type="checkbox"/>	L12	L11 and ((oil or water) with fraction\$4)	8541
<input type="checkbox"/>	L11	L10 and (resistivity or dielectric\$4 or resist\$4)	74785
<input type="checkbox"/>	L10	(NMR or MRI or (magnetic adj resonan\$2))	216529
<input type="checkbox"/>	L9	L8 and (resistivity or dielectric\$4 or resist\$4)	0
<input type="checkbox"/>	L8	(Mirochnik.in.)	6
<input type="checkbox"/>	L7	L6 and (resistivity or dielectric\$4 or resist\$4)	6
<input type="checkbox"/>	L6	L1 and ((oil or water) with fraction)	7
<input type="checkbox"/>	L5	L1 and ((multiple or multi) with sample)	19
<input type="checkbox"/>	L4	L3 and (pelc.in.)	0
<input type="checkbox"/>	L3	L1 and (raftery.in.)	2
<input type="checkbox"/>	L2	L1 and (rafftery.in.)	0
<input type="checkbox"/>	L1	fetzner	275

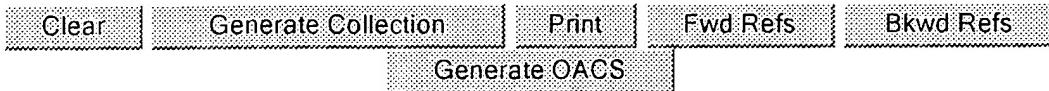
END OF SEARCH HISTORY

## Hit List

First Hit Your wildcard search against 10000 terms has yielded the results below.

*Your result set for the last L# is incomplete.*

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.



### Search Results - Record(s) 1 through 12 of 12 returned.

1. Document ID: US 20050114029 A1

**Using default format because multiple data bases are involved.**

L15: Entry 1 of 12

File: PGPB

May 26, 2005

PGPUB-DOCUMENT-NUMBER: 20050114029

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050114029 A1

TITLE: Determining water saturation for oil bearing thin-bedded formation having anisotropic resistivity

PUBLICATION-DATE: May 26, 2005

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Clavaud, Jean-Baptiste Nicolas	Houston	TX	US
Boyd, Austin Joseph	Ridgefield	CT	US

US-CL-CURRENT: 702/1



2. Document ID: US 20040140801 A1

L15: Entry 2 of 12

File: PGPB

Jul 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040140801

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040140801 A1

TITLE: Combined characterization and inversion of reservoir parameters from nuclear, NMR and resistivity measurements

PUBLICATION-DATE: July 22, 2004

#### INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
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Schoen, Juergen S.	Leoben	TX	AT
Fanini, Otto N.	Houston	TX	US
Georgi, Daniel	Houston		US

US-CL-CURRENT: 324/303

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [References](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KDDC](#) | [Drawn D](#)

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3. Document ID: US 20040119471 A1

L15: Entry 3 of 12

File: PGPB

Jun 24, 2004

PGPUB-DOCUMENT-NUMBER: 20040119471

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040119471 A1

TITLE: Downhole high resolution NMR spectroscopy with polarization enhancement

PUBLICATION-DATE: June 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Blanz, Martin	Celle		DE
Kruspe, Thomas	Wienhausen		DE

US-CL-CURRENT: 324/303

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [References](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KDDC](#) | [Drawn D](#)

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4. Document ID: US 20040055745 A1

L15: Entry 4 of 12

File: PGPB

Mar 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040055745

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040055745 A1

TITLE: Method and apparatus for combined NMR and formation testing for assessing relative permeability with formation testing and nuclear magnetic resonance testing

PUBLICATION-DATE: March 25, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Georgi, Dan	Houston	TX	US
Kruspe, Thomas	Wienhausen		DE
Meister, Matthias	Celle		DE

US-CL-CURRENT: 166/250.02; 166/113

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [References] [Sequences] [Attachments] [Claims] [HTML] [Drawings]

5. Document ID: US 20040032257 A1

L15: Entry 5 of 12

File: PGPB

Feb 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040032257

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040032257 A1

TITLE: Combining NMR, density, and dielectric measurements for determining downhole reservoir fluid volumes

PUBLICATION-DATE: February 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Freedman, Robert	Houston	TX	US

US-CL-CURRENT: 324/303

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [References] [Sequences] [Attachments] [Claims] [HTML] [Drawings]

6. Document ID: US 20040017193 A1

L15: Entry 6 of 12

File: PGPB

Jan 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040017193

PGPUB-FILING-TYPE: new.

DOCUMENT-IDENTIFIER: US 20040017193 A1

TITLE: J-spectroscopy in the wellbore

PUBLICATION-DATE: January 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Speier, Peter	Erlangen		DE

US-CL-CURRENT: 324/303; 324/300, 324/306, 324/318

[Full] [Title] [Citation] [Front] [Review] [Classification] [Date] [References] [Sequences] [Attachments] [Claims] [HTML] [Drawings]

7. Document ID: US 20030016012 A1

L15: Entry 7 of 12

File: PGPB

Jan 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030016012

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030016012 A1

TITLE: NMR logging apparatus and methods for fluid typing

PUBLICATION-DATE: January 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Coates, George Richard	Bellville	TX	US
Hou, Lei Bob	Houston	TX	US

US-CL-CURRENT: 324/303

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [HTML](#) | [Cited By](#)

8. Document ID: US 20020101235 A1

L15: Entry 8 of 12

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020101235

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020101235 A1

TITLE: Combined characterization and inversion of reservoir parameters from nuclear, NMR and resistivity measurements

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Schoen, Juergen S.	Leoben	TX	AT
Fanini, Otto N.	Houston	TX	US
Georgi, Daniel	Houston		US

US-CL-CURRENT: 324/303

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [HTML](#) | [Cited By](#)

9. Document ID: US 6825658 B2

L15: Entry 9 of 12

File: USPT

Nov 30, 2004

US-PAT-NO: 6825658

DOCUMENT-IDENTIFIER: US 6825658 B2

TITLE: NMR logging apparatus and methods for fluid typing

DATE-ISSUED: November 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coates, George Richard	Bellville	TX	78746	

Hou, Lei Bob

Houston

TX

77077

US-CL-CURRENT: 324/303; 324/300

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	KMPC	Dra	PD
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10. Document ID: US 6815950 B2

L15: Entry 10 of 12

File: USPT

Nov 9, 2004

US-PAT-NO: 6815950

DOCUMENT-IDENTIFIER: US 6815950 B2

TITLE: J-spectroscopy in the wellbore

DATE-ISSUED: November 9, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Speier; Peter	Erlangen			DE

US-CL-CURRENT: 324/303; 324/300

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	KMPC	Dra	PD
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11. Document ID: US 6686736 B2

L15: Entry 11 of 12

File: USPT

Feb 3, 2004

US-PAT-NO: 6686736

DOCUMENT-IDENTIFIER: US 6686736 B2

TITLE: Combined characterization and inversion of reservoir parameters from nuclear, NMR and resistivity measurements

DATE-ISSUED: February 3, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schoen; Juergen S.	Leoben			AT
Fanini; Otto N.	Houston	TX		
Georgi; Daniel	Houston	TX		

US-CL-CURRENT: 324/303

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	KMPC	Dra	PD
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12. Document ID: US 6366087 B1

L15: Entry 12 of 12

File: USPT

Apr 2, 2002

US-PAT-NO: 6366087

DOCUMENT-IDENTIFIER: US 6366087 B1

TITLE: NMR logging apparatus and methods for fluid typing

DATE-ISSUED: April 2, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coates; George Richard	Bellville	TX	78746	
Hou; Lei Bob	Houston	TX	77077	

US-CL-CURRENT: 324/303; 324/300[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [References](#) [Claims](#) [View](#) [Create](#)[Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#) [Generate OACS](#)

Term	Documents
RESISTIVITY	149587
RESISTIVITIES	12347
RESISTIVITYS	12
NMR	156382
NMRS	264
MRI	30969
MRIS	464
MAGNETIC	1566563
MAGNETICS	13938
COMBINATION	3182854
COMBINATIONS	854973
(L13 AND (((RESISTIVITY OR DIELECTRIC\$4 OR RESIST\$4) WITH (NMR OR MRI OR (MAGNETIC ADJ RESONAN\$2))) WITH (COMBIN\$4 OR COMBINATION OR ADD\$4))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	12

There are more results than shown above. Click here to view the entire set.

[Display Format](#): [...](#) [Change Format](#)[Previous Page](#)[Next Page](#)[Go to Doc#](#)

## Hit List

[First Hit](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 1 through 3 of 3 returned.

1. Document ID: US 20040119471 A1

Using default format because multiple data bases are involved.

L17: Entry 1 of 3

File: PGPB

Jun 24, 2004

PGPUB-DOCUMENT-NUMBER: 20040119471

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040119471 A1

TITLE: Downhole high resolution NMR spectroscopy with polarization enhancement

PUBLICATION-DATE: June 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Blanz, Martin	Celle		DE
Kruspe, Thomas	Wienhausen		DE

US-CL-CURRENT: 324/303

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [References](#) [Sequences](#) [Attachments](#) [Claims](#) [KIMC](#) [Drawings](#)

2. Document ID: US 20040055745 A1

L17: Entry 2 of 3

File: PGPB

Mar 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040055745

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040055745 A1

TITLE: Method and apparatus for combined NMR and formation testing for assessing relative permeability with formation testing and nuclear magnetic resonance testing

PUBLICATION-DATE: March 25, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Georgi, Dan	Houston	TX	US
Kruspe, Thomas	Wienhausen		DE
Meister, Matthias	Celle		DE

US-CL-CURRENT: 166/250.02; 166/113

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [References](#) [Sequences](#) [Attachments](#) [Claims](#) [Invc](#) [Draw](#) [D](#)

3. Document ID: WO 2005045474 A1, FR 2837869 A1, CA 2424112 A1, NO 200301486 A, DE 10314815 A1, GB 2391944 A, US 20040055745 A1, US 20040119471 A1, GB 2391944 B  
L17: Entry 3 of 3 File: DWPI May 19, 2005

DERWENT-ACC-NO: 2003-806340

DERWENT-WEEK: 200534

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TITLE: Nuclear magnetic resonance based downhole instrumentation, measures formation properties including fluid mobility, saturation level and relative permeability

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [References](#) [Sequences](#) [Attachments](#) [Claims](#) [Invc](#) [Draw](#) [D](#)

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Term	Documents
RESISTIVITY	149587
RESISTIVITIES	12347
RESISTIVITYS	12
NMR	156382
NMRS	264
MRI	30969
MRIS	464
MAGNETIC	1566563
MAGNETICS	13938
DIELECTRIC\$4	0
(L16 AND ((RESISTIVITY OR DIELECTRIC\$4 OR RESIST\$4) WITH (NMR OR MRI OR (MAGNETIC ADJ RESONAN\$2)))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	3

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[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

## Hit List

[First Hit](#) [Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#)  
[Generate GACS](#)

Search Results - Record(s) 1 through 7 of 7 returned.

1. Document ID: US 20040231841 A1

Using default format because multiple data bases are involved.

L18: Entry 1 of 7

File: PGPB

Nov 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040231841  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040231841 A1

TITLE: Formation testing apparatus and method for smooth draw down

PUBLICATION-DATE: November 25, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Niemeyer, Eick	Hannover		DE
Kischkat, Tobias	Celle		DE
Meister, Matthias	Celle		DE

US-CL-CURRENT: 166/264; 166/100

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [DWI](#) [Create](#)

2. Document ID: US 20040119471 A1

L18: Entry 2 of 7

File: PGPB

Jun 24, 2004

PGPUB-DOCUMENT-NUMBER: 20040119471  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040119471 A1

TITLE: Downhole high resolution NMR spectroscopy with polarization enhancement

PUBLICATION-DATE: June 24, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Blanz, Martin	Celle		DE
Kruspe, Thomas	Wienhausen		DE

US-CL-CURRENT: 324/303

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [References](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawings](#)

3. Document ID: US 20040055745 A1

L18: Entry 3 of 7

File: PGPB

Mar 25, 2004

PGPUB-DOCUMENT-NUMBER: 20040055745

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040055745 A1

TITLE: Method and apparatus for combined NMR and formation testing for assessing relative permeability with formation testing and nuclear magnetic resonance testing

PUBLICATION-DATE: March 25, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Georgi, Dan	Houston	TX	US
Kruspe, Thomas	Wienhausen		DE
Meister, Matthias	Celle		DE

US-CL-CURRENT: 166/250.02; 166/113

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [References](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawings](#)

4. Document ID: US 20040026125 A1

L18: Entry 4 of 7

File: PGPB

Feb 12, 2004

PGPUB-DOCUMENT-NUMBER: 20040026125

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040026125 A1

TITLE: Formation testing apparatus and method for optimizing draw down

PUBLICATION-DATE: February 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Meister, Matthias	Celle	TX	DE
Lee, Jaedong	Houston		US
Krueger, Sven	Celle		DE
Niemeyer, Eick	Hanover		DE

US-CL-CURRENT: 175/50; 166/250.07

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [References](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawings](#)

5. Document ID: US 6871713 B2

L18: Entry 5 of 7

File: USPT

Mar 29, 2005

US-PAT-NO: 6871713

DOCUMENT-IDENTIFIER: US 6871713 B2

TITLE: Apparatus and methods for sampling and testing a formation fluid

DATE-ISSUED: March 29, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Meister; Matthias	Celle			DE
Krueger; Sven	Celle			DE

US-CL-CURRENT: 175/50; 166/250.01, 73/152.18[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [References](#) | [Abstract](#) | [Claims](#) | [DWPI](#) | [Drawings](#) 6. Document ID: US 6609568 B2

L18: Entry 6 of 7

File: USPT

Aug 26, 2003

US-PAT-NO: 6609568

DOCUMENT-IDENTIFIER: US 6609568 B2

TITLE: Closed-loop drawdown apparatus and method for in-situ analysis of formation fluids

DATE-ISSUED: August 26, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Krueger; Volker	Celle			DE
Meister; Matthias	Celle			DE
Michaels; John M.	Houston	TX		
Lee; Jaedong	Houston	TX		
Jones; Stanley C.	Littleton	CO		

US-CL-CURRENT: 166/250.07; 166/250.17, 166/66[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [References](#) | [Abstract](#) | [Claims](#) | [DWPI](#) | [Drawings](#) 7. Document ID: WO 2005045474 A1, FR 2837869 A1, CA 2424112 A1, NO 200301486

A, DE 10314815 A1, GB 2391944 A, US 20040055745 A1, US 20040119471 A1, GB 2391944 B

L18: Entry 7 of 7

File: DWPI

May 19, 2005

DERWENT-ACC-NO: 2003-806340

DERWENT-WEEK: 200534  
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TITLE: Nuclear magnetic resonance based downhole instrumentation, measures formation properties including fluid mobility, saturation level and relative permeability

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Document](#) | [Claims](#) | [EPO](#) | [Cross Refs](#)

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Term	Documents
RESISTIVITY	149587
RESISTIVITIES	12347
RESISTIVITYS	12
DIELECTRIC\$4	0
DIELECTRIC	536977
DIELECTRICA	48
DIELECTRICABLE	1
DIELECTRICABY	5
DIELECTRICADY	2
DIELECTRICAEY	1
(L16 AND (RESISTIVITY OR DIELECTRIC\$4 OR RESIST\$4)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	7

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[Previous Page](#)    [Next Page](#)    [Go to Doc#](#)